

**SUMMARY OF HYDROLOGIC CONDITIONS  
IN THE  
UPPER DELAWARE RIVER BASIN  
June 2004**

Prepared by the  
Office of the Delaware River Master  
Milford, Pennsylvania

Adjusted streamflow in the upper Delaware River Basin during June was in the normal range. The maximum daily mean discharge of 5,630 cfs occurred on June 3. The minimum daily mean discharge was 1,700 cfs on June 30.

The observed monthly mean streamflow of the Delaware River at Montague, N.J. during June was 3,033 cfs, which is 90 percent of median. The flow at Montague, adjusted for diversions from the basin and change in storage in the major reservoirs, was 3,313 cfs, or 84 percent of median (water years 1971-2000).

On the basis of a 10-station average, precipitation during June was 3.29 inches, which is 82 percent of the 63-year average. The maximum daily-average precipitation during the month was 0.83 inches on June 18. Precipitation in the upper Delaware River Basin during the past 12 months was 9.56 inches more than the long-term average. Precipitation during June was 0.74 inches less than the long-term average for the month.

Combined storage July 1, 2004 in Pepacton, Cannonsville, and Neversink Reservoirs was 95 percent of capacity above the point of maximum depletion. The combined storage of 257 billion gallons was 15 billion gallons less than that of one month ago and 14 billion gallons less than that of one year ago. Median storage on the first day of July in 37 years of record is 257 billion gallons. Pepacton and Cannonsville Reservoirs spilled 0.7 and 2.6 billion gallons, respectively, in June.

As part of a statewide network, the USGS operates 12 observation wells in the Pennsylvania part of the Delaware River Basin. Mean water levels during June were below average in 7 of the wells. Water levels in all of the wells were below May 2004 levels, and water levels in 10 of the wells were below June 2003 levels.

# HYDROLOGIC CONDITIONS IN THE UPPER DELAWARE RIVER BASIN

Compiled by the Office of the Delaware River Master, Milford, Pa.

(Preliminary data - subject to revision)

## PRECIPITATION, IN INCHES

	Dec. 1940 to June 2003		July 2003 to June 2004					
	Average		Actual		Percent of average		Excess (+) or deficit (-)	
	Amount	Cumulative	Amount	Cumulative	By month	Cumulative	By month	Cumulative
July	4.02	43.20	4.37	52.76	109	122	+.35	+9.56
Aug.	3.82	39.18	4.81	48.39	126	124	+.99	+9.21
Sept.	3.88	35.36	10.69	43.58	276	123	+6.81	+8.22
Oct.	3.39	31.48	5.94	32.89	175	104	+2.55	+1.41
Nov.	3.79	28.09	4.38	26.95	116	96	+.59	-1.14
Dec.	3.37	24.30	4.90	22.57	145	93	+1.53	-1.73
Jan.	2.98	20.93	*2.60	17.67	87	84	-.38	-3.26
Feb.	2.64	17.95	*1.41	15.07	53	84	-1.23	-2.88
Mar.	3.35	15.31	2.10	13.66	63	89	-1.25	-1.65
Apr.	3.72	11.96	3.69	11.56	99	97	-.03	-.40
May	4.21	8.24	4.58	7.87	109	96	+.37	-.37
June	4.03	4.03	3.29	3.29	82	82	-.74	-.74

Note: Amount shown in cumulative columns is total from month shown to present.

\* Revised since last month.

## STREAMFLOW, IN CFS DELAWARE RIVER AT MONTAGUE, N.J.

Month	1940-2002			2004 Monthly mean	Percent of median
	Maximum	Median	Minimum		
June (observed)	15,200 (1972)	3,368	1,214 (1965)	3,033	90
June (adjusted)	16,010 (1972)	3,973	1,024 (1962)	3,313	83
July (observed)	11,220 (1945)	2,397	864 (1954)		
July (adjusted)	11,470 (1945)	2,082	391 (1965)		